

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080222\
 Data File : VD073932.D
 Acq On : 02 Aug 2022 17:58
 Operator : VA/SY
 Sample : N3976-03RE
 Misc : 4.93G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP2-0729RE

Quant Time: Aug 03 04:14:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 02 05:13:57 2022
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

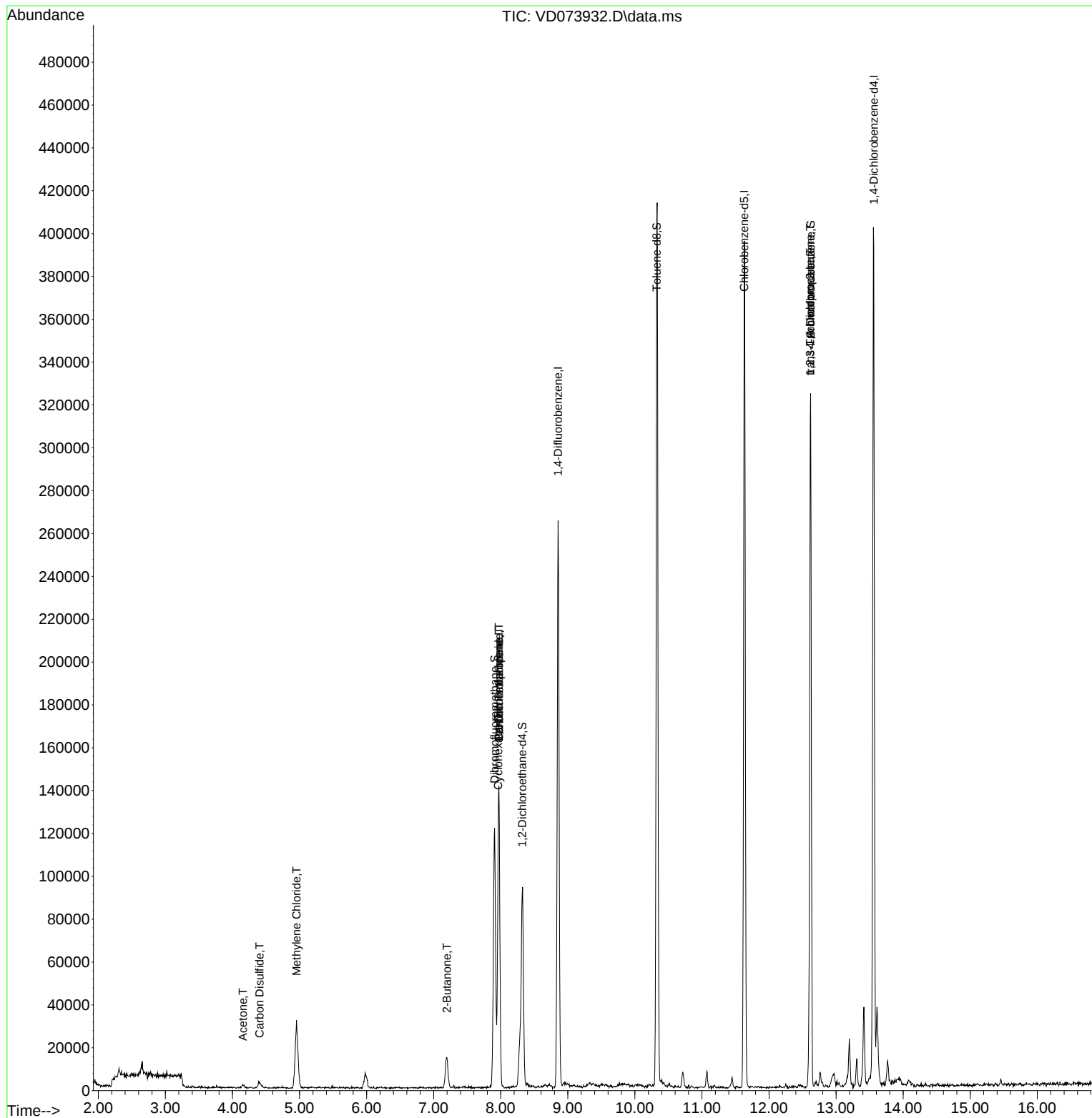
Internal Standards						
1) Pentafluorobenzene	7.973	168	102109	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	223210	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	225249	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	105797	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	70815	87.780	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 175.560%#	
35) Dibromofluoromethane	7.909	113	82752	59.669	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 119.340%	
50) Toluene-d8	10.326	98	282456	60.463	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 120.920%	
62) 4-Bromofluorobenzene	12.620	95	99963	58.188	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 116.380%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	336	Below Cal	#	43
11) Tert butyl alcohol	5.220	59	63	Below Cal	#	75
16) Acetone	4.156	43	2493	20.929	ug/l #	84
17) Carbon Disulfide	4.403	76	5891	3.816	ug/l	100
18) Methyl Acetate	4.932	43	118	Below Cal	#	48
20) Methylene Chloride	4.956	84	22425	8.402	ug/l	98
25) 2-Butanone	7.197	43	1232	4.944	ug/l #	46
31) Cyclohexane	7.961	56	2209	1.397	ug/l #	32
36) 1,1-Dichloropropene	7.973	75	8622	4.365	ug/l #	50
38) Carbon Tetrachloride	7.973	117	10977	4.961	ug/l #	17
76) 1,2,3-Trichloropropane	12.614	75	53764	68.496	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.614	75	53764	145.795	ug/l #	13

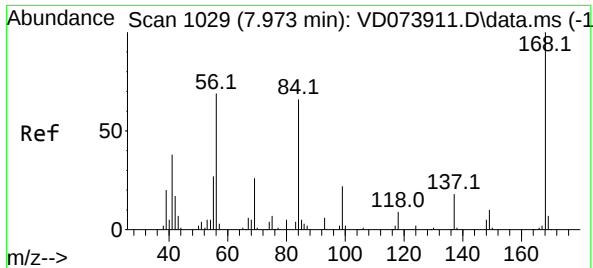
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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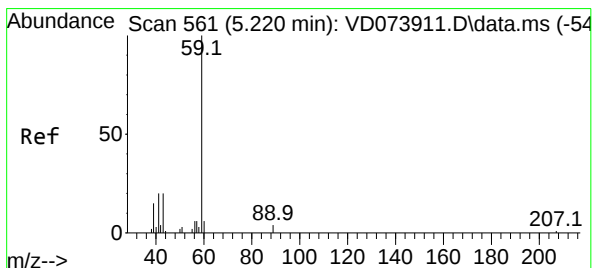
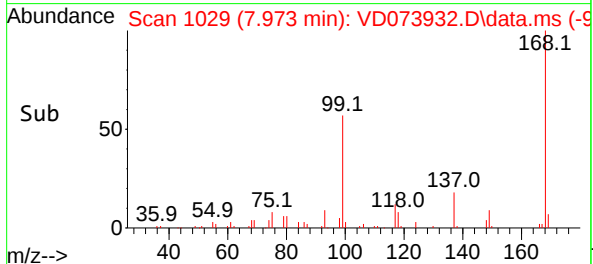
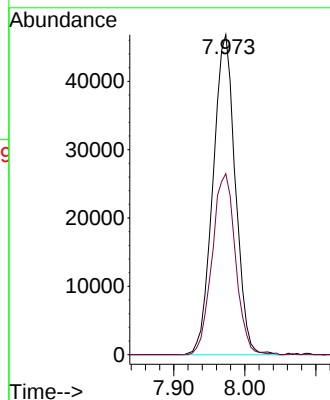
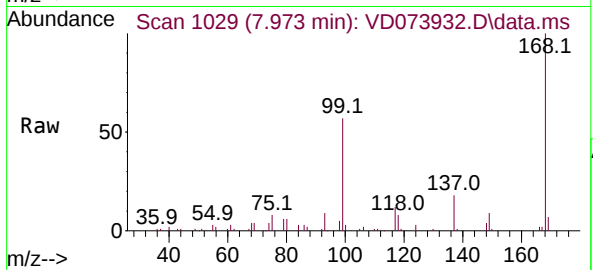




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073932.D
Acq: 02 Aug 2022 17:58

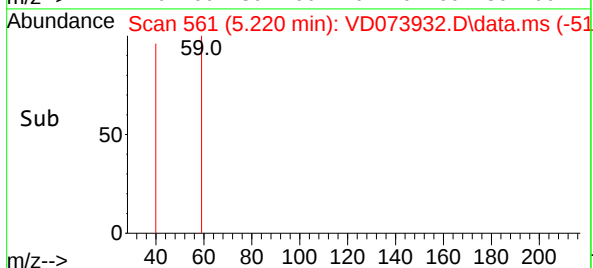
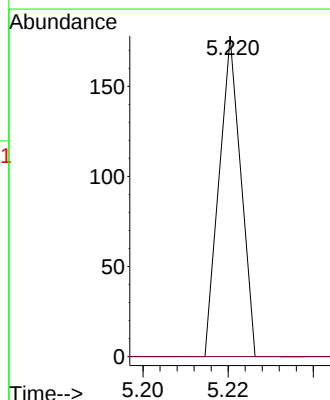
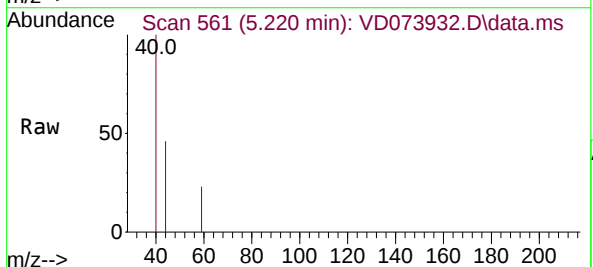
Instrument :
MSVOA_D
ClientSampleId :
TP2-0729RE

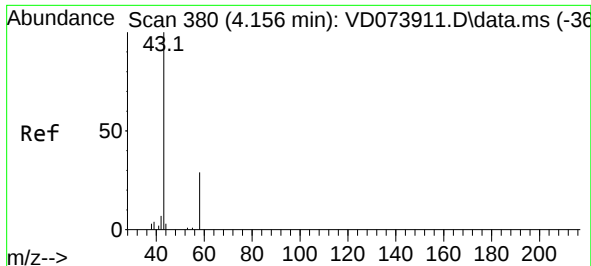
Tgt Ion:168 Resp: 102109
Ion Ratio Lower Upper
168 100
99 56.5 52.2 78.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.220 min Scan# 561
Delta R.T. 0.000 min
Lab File: VD073932.D
Acq: 02 Aug 2022 17:58

Tgt Ion: 59 Resp: 63
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#





#16

Acetone

Concen: 20.929 ug/l

RT: 4.156 min Scan# 31

Delta R.T. -0.000 min

Lab File: VD073932.D

Acq: 02 Aug 2022 17:58

Instrument :

MSVOA_D

ClientSampleId :

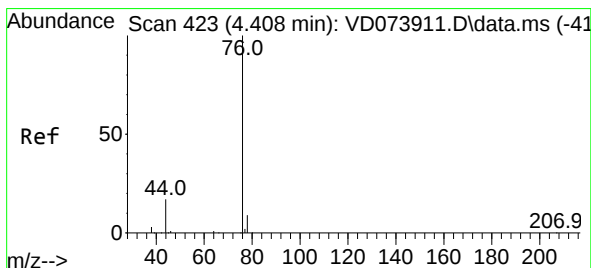
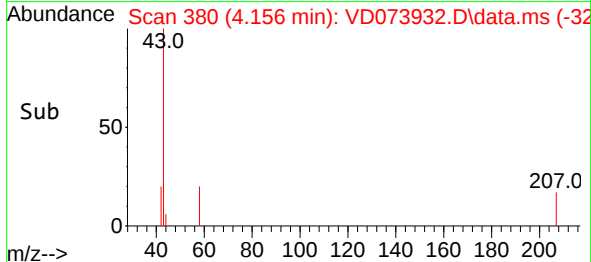
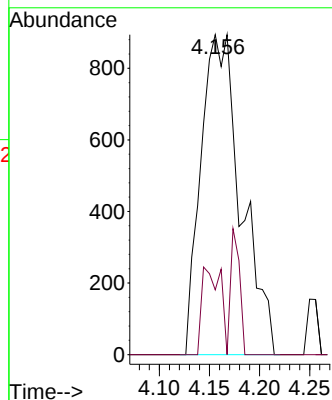
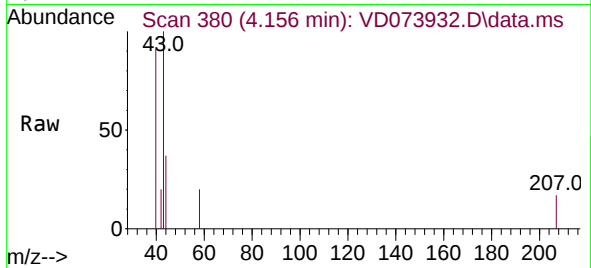
TP2-0729RE

Tgt Ion: 43 Resp: 2493

Ion Ratio Lower Upper

43 100

58 20.2 23.0 34.6#



#17

Carbon Disulfide

Concen: 3.816 ug/l

RT: 4.403 min Scan# 422

Delta R.T. -0.005 min

Lab File: VD073932.D

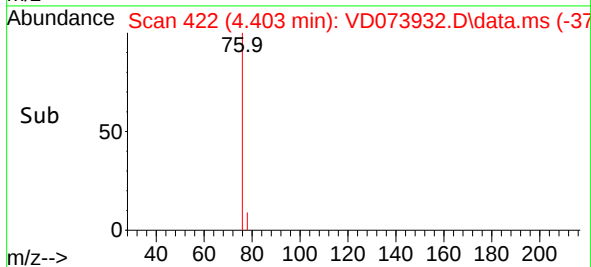
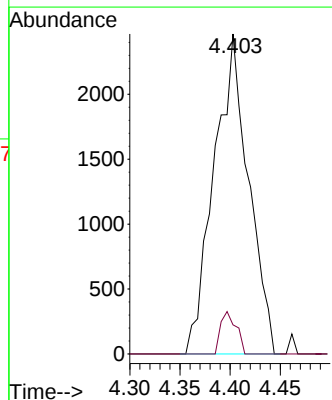
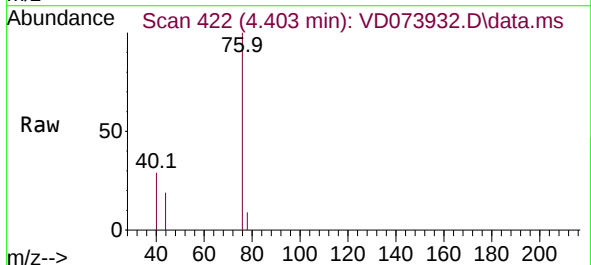
Acq: 02 Aug 2022 17:58

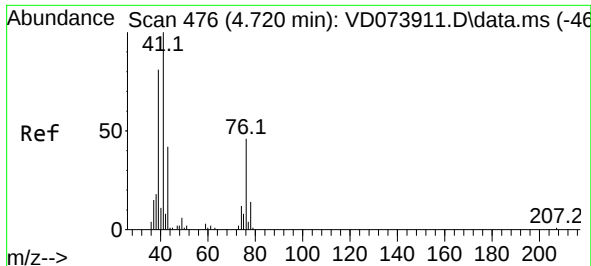
Tgt Ion: 76 Resp: 5891

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

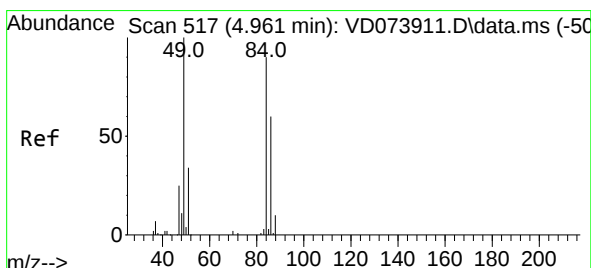
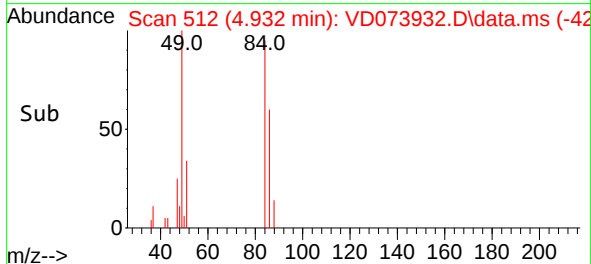
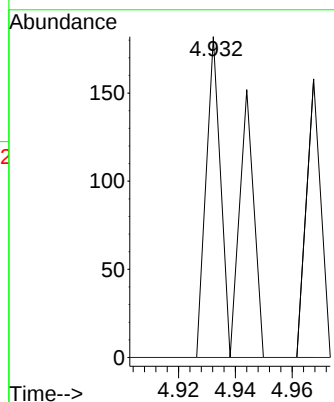
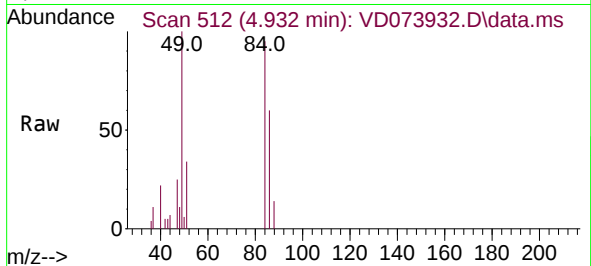




#18
Methyl Acetate
Concen: Below Cal
RT: 4.932 min Scan# 516
Delta R.T. 0.212 min
Lab File: VD073932.D
Acq: 02 Aug 2022 17:58

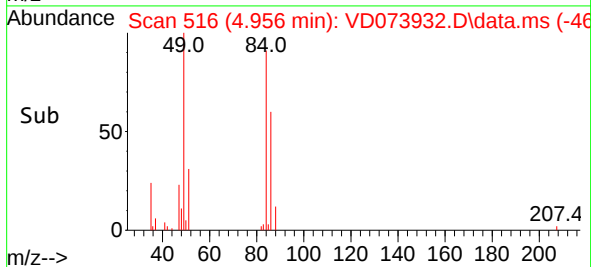
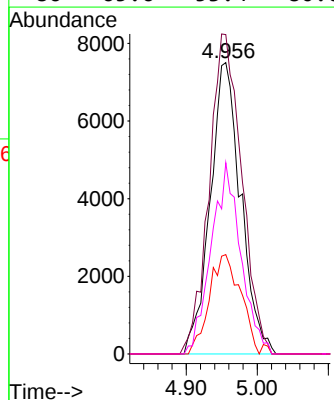
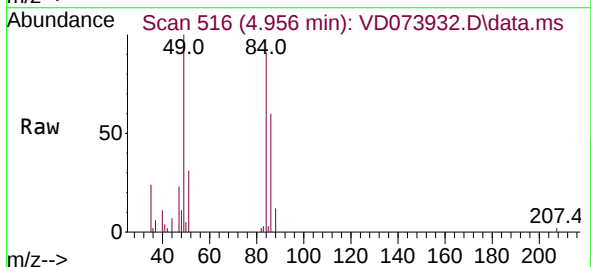
Instrument :
MSVOA_D
ClientSampleId :
TP2-0729RE

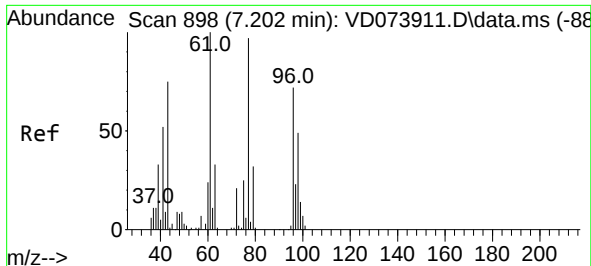
Tgt Ion: 43 Resp: 118
Ion Ratio Lower Upper
43 100
74 0.0 21.2 31.8#



#20
Methylene Chloride
Concen: 8.402 ug/l
RT: 4.956 min Scan# 516
Delta R.T. -0.005 min
Lab File: VD073932.D
Acq: 02 Aug 2022 17:58

Tgt Ion: 84 Resp: 22425
Ion Ratio Lower Upper
84 100
49 109.6 89.1 133.7
51 34.1 29.8 44.8
86 65.6 53.4 80.0

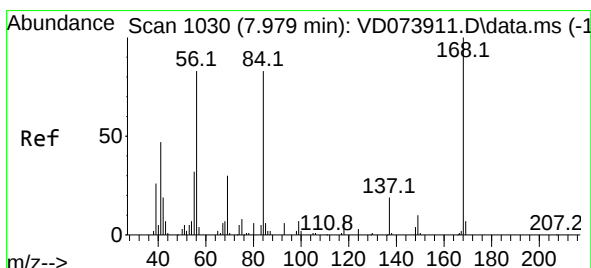
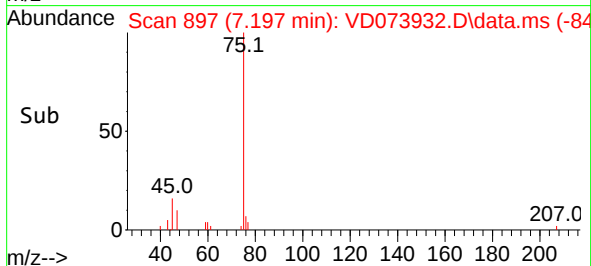
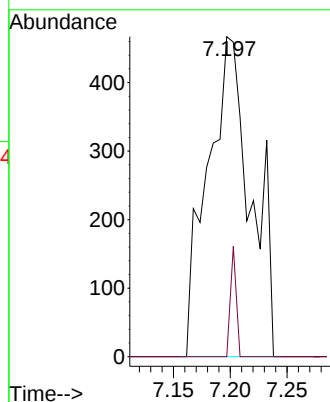
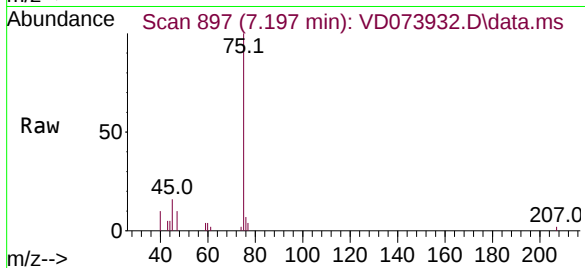




#25
2-Butanone
Concen: 4.944 ug/l
RT: 7.197 min Scan# 89
Delta R.T. -0.006 min
Lab File: VD073932.D
Acq: 02 Aug 2022 17:58

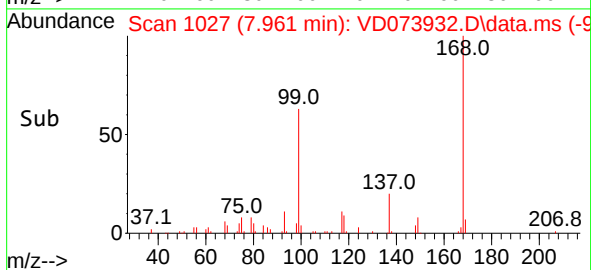
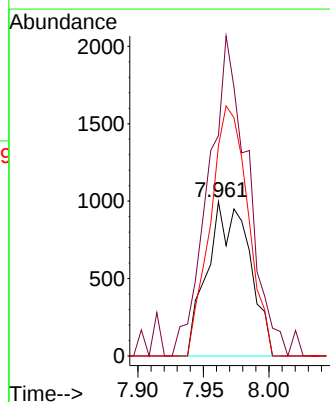
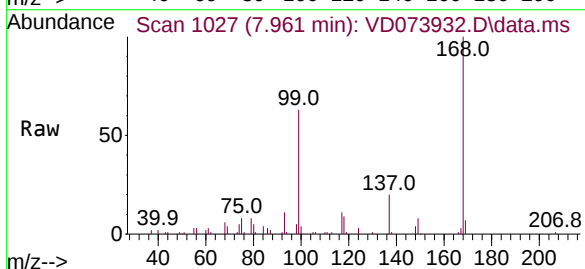
Instrument :
MSVOA_D
ClientSampleId :
TP2-0729RE

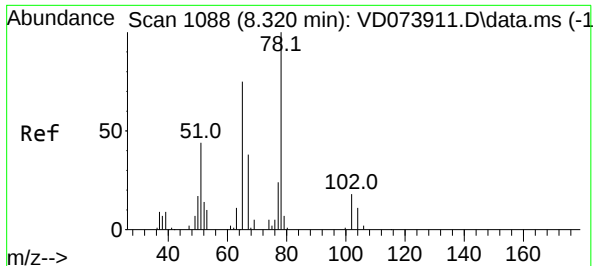
Tgt Ion: 43 Resp: 1232
Ion Ratio Lower Upper
43 100
72 0.0 22.7 34.1#



#31
Cyclohexane
Concen: 1.397 ug/l
RT: 7.961 min Scan# 1027
Delta R.T. -0.017 min
Lab File: VD073932.D
Acq: 02 Aug 2022 17:58

Tgt Ion: 56 Resp: 2209
Ion Ratio Lower Upper
56 100
69 127.0 29.2 43.8#
84 136.3 80.0 120.0#





#33

1,2-Dichloroethane-d4

Concen: 87.780 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. 0.000 min

Lab File: VD073932.D

Acq: 02 Aug 2022 17:58

Instrument :

MSVOA_D

ClientSampleId :

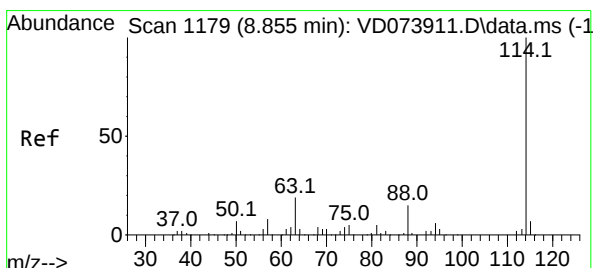
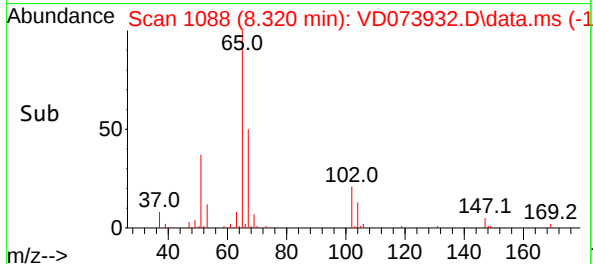
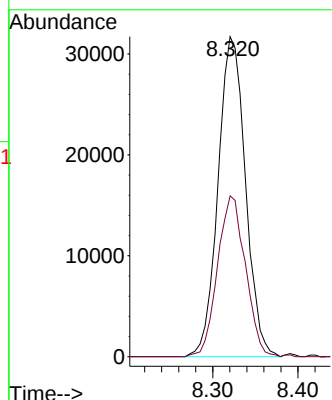
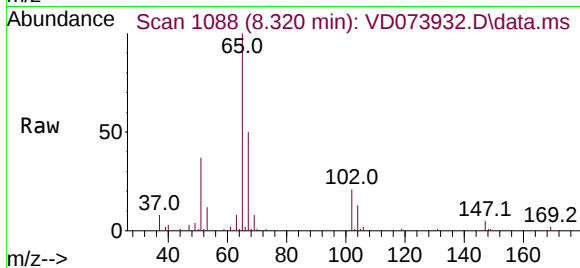
TP2-0729RE

Tgt Ion: 65 Resp: 70815

Ion Ratio Lower Upper

65 100

67 51.1 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073932.D

Acq: 02 Aug 2022 17:58

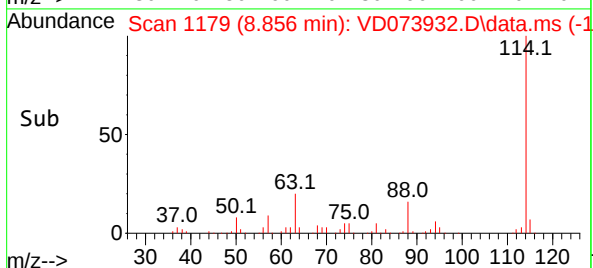
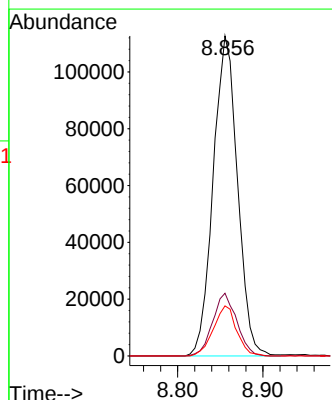
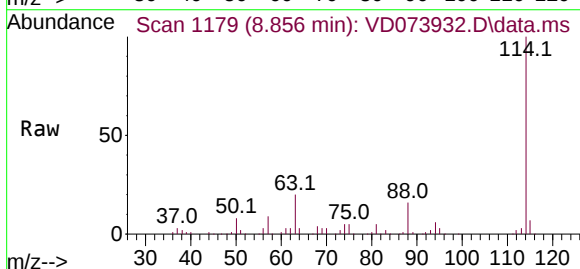
Tgt Ion: 114 Resp: 223210

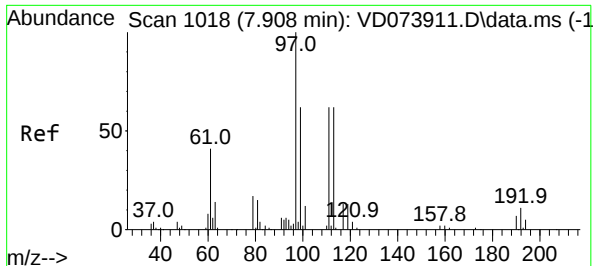
Ion Ratio Lower Upper

114 100

63 19.6 0.0 37.6

88 15.7 0.0 30.2





#35

Dibromofluoromethane

Concen: 59.669 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD073932.D

Acq: 02 Aug 2022 17:58

Instrument :

MSVOA_D

ClientSampleId :

TP2-0729RE

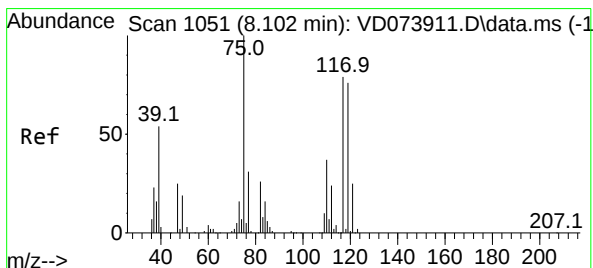
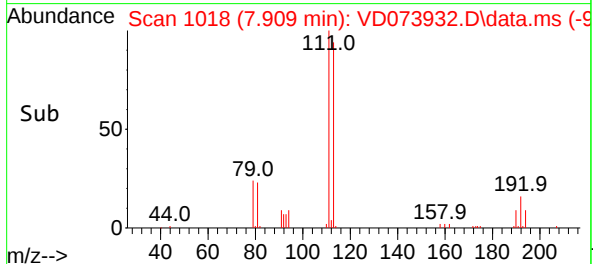
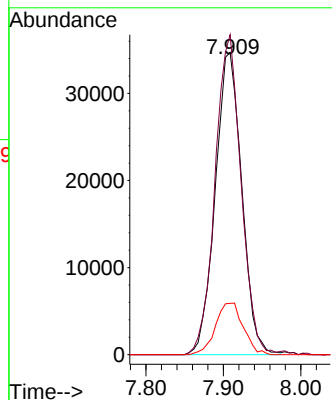
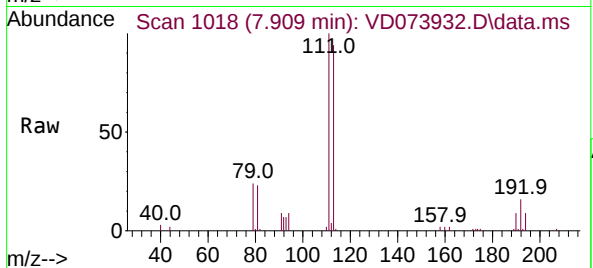
Tgt Ion:113 Resp: 82752

Ion Ratio Lower Upper

113 100

111 104.0 83.7 125.5

192 17.9 15.0 22.6



#36

1,1-Dichloropropene

Concen: 4.365 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.129 min

Lab File: VD073932.D

Acq: 02 Aug 2022 17:58

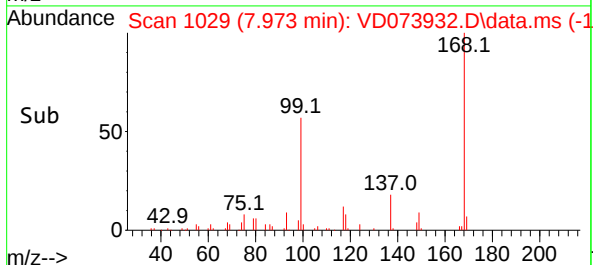
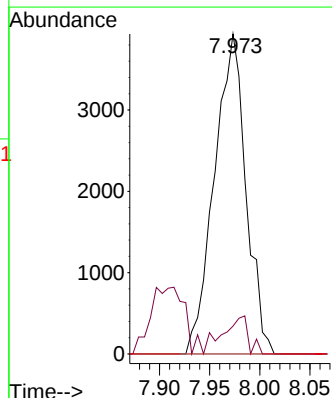
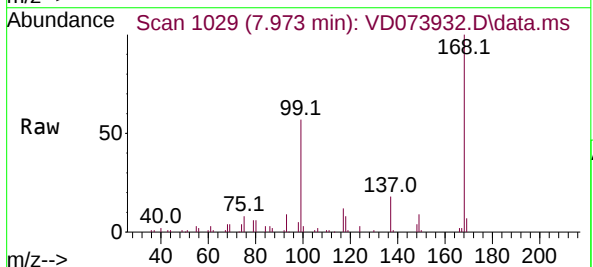
Tgt Ion: 75 Resp: 8622

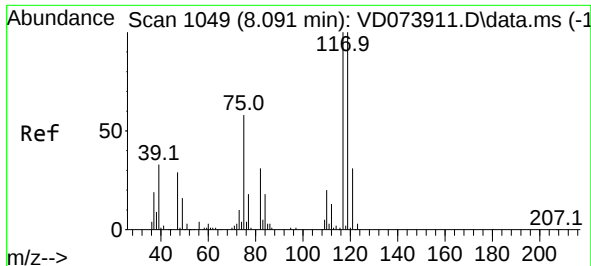
Ion Ratio Lower Upper

75 100

110 9.7 18.1 54.1#

77 0.0 24.7 37.1#

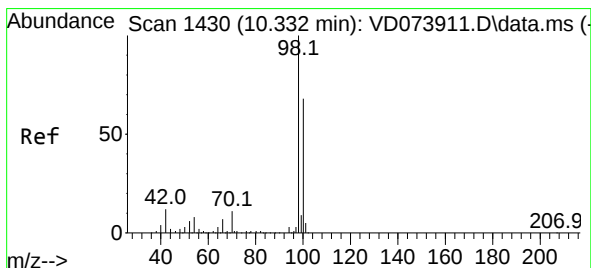
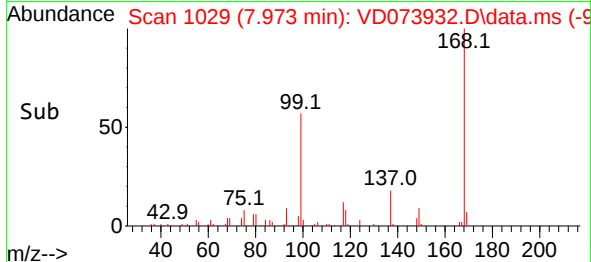
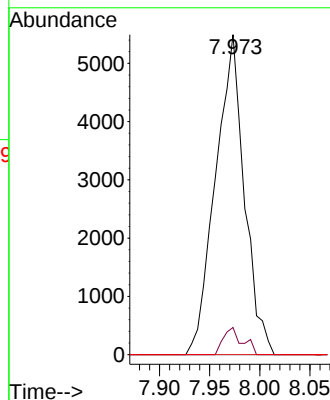
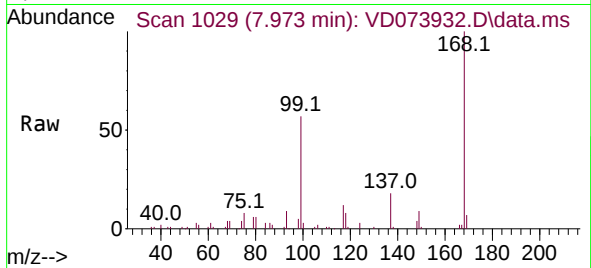




#38
Carbon Tetrachloride
Concen: 4.961 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.117 min
Lab File: VD073932.D
Acq: 02 Aug 2022 17:58

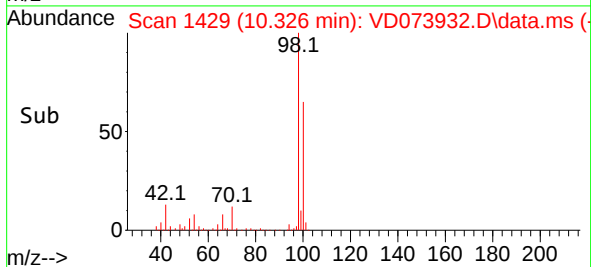
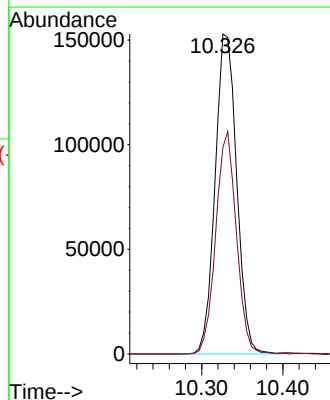
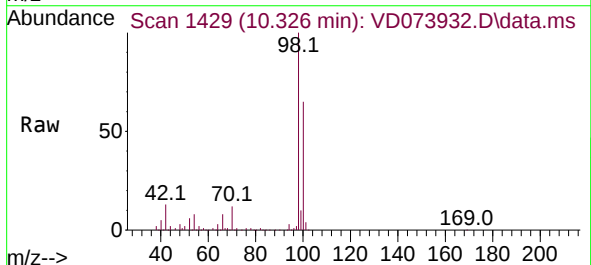
Instrument :
MSVOA_D
ClientSampleId :
TP2-0729RE

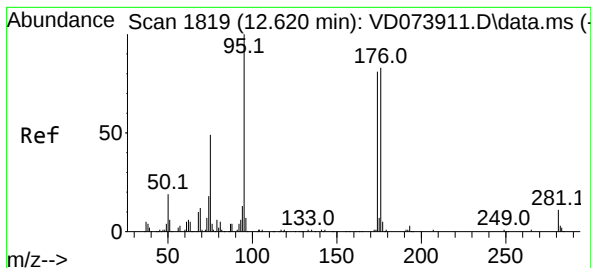
Tgt Ion:117 Resp: 10977
Ion Ratio Lower Upper
117 100
119 8.5 79.6 119.4#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 60.463 ug/l
RT: 10.326 min Scan# 1429
Delta R.T. -0.006 min
Lab File: VD073932.D
Acq: 02 Aug 2022 17:58

Tgt Ion: 98 Resp: 282456
Ion Ratio Lower Upper
98 100
100 66.4 53.1 79.7

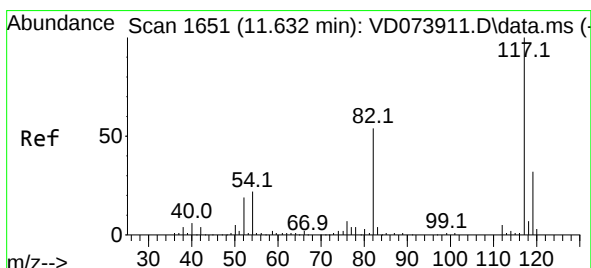
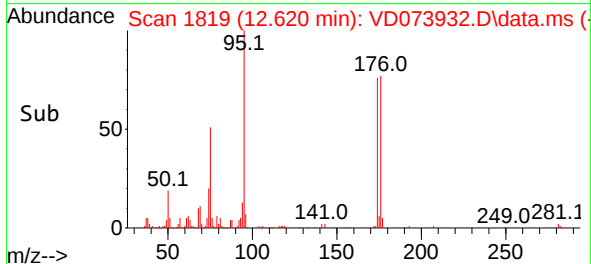
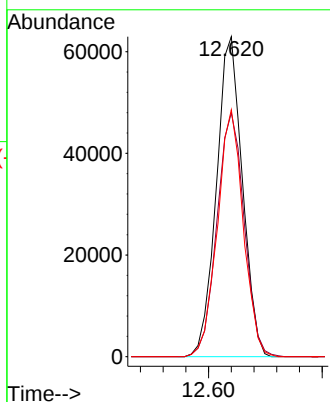
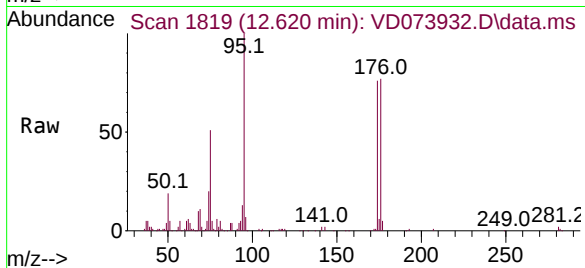




#62
4-Bromofluorobenzene
Concen: 58.188 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073932.D
Acq: 02 Aug 2022 17:58

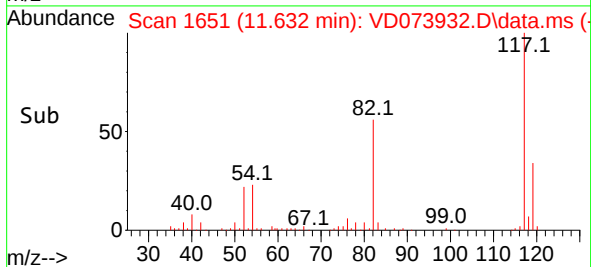
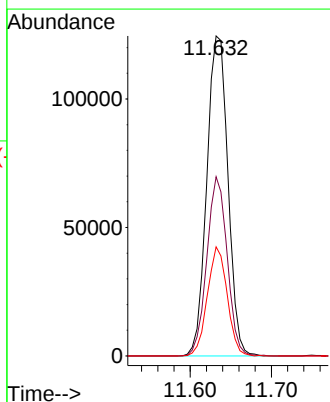
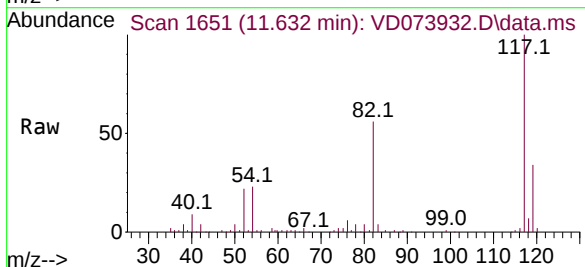
Instrument :
MSVOA_D
ClientSampleId :
TP2-0729RE

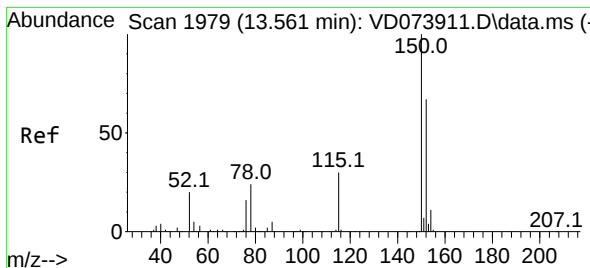
Tgt Ion: 95 Resp: 99963
Ion Ratio Lower Upper
95 100
174 80.0 0.0 164.2
176 76.9 0.0 161.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. 0.000 min
Lab File: VD073932.D
Acq: 02 Aug 2022 17:58

Tgt Ion: 117 Resp: 225249
Ion Ratio Lower Upper
117 100
82 56.0 43.3 64.9
119 34.1 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1979

Delta R.T. 0.000 min

Lab File: VD073932.D

Acq: 02 Aug 2022 17:58

Instrument :

MSVOA_D

ClientSampleId :

TP2-0729RE

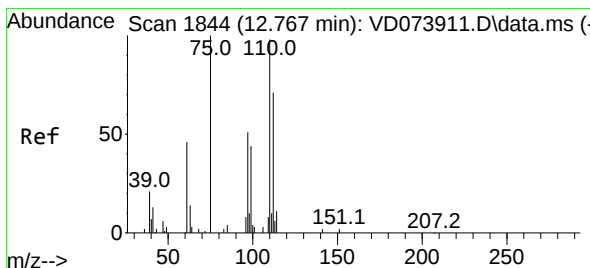
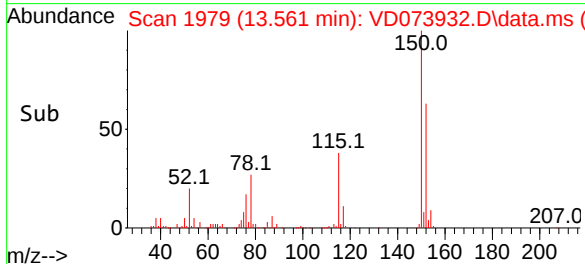
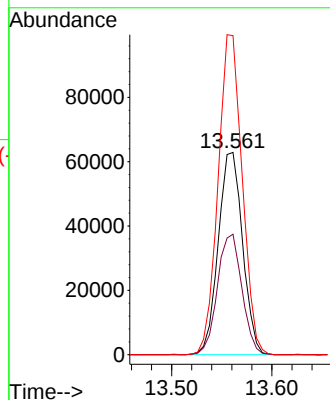
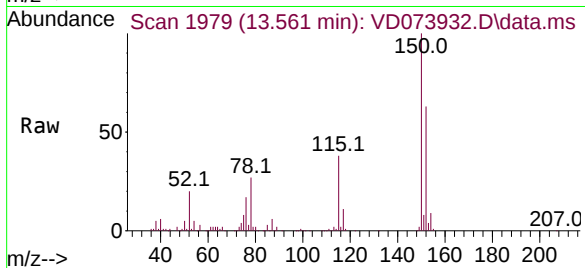
Tgt Ion:152 Resp: 105797

Ion Ratio Lower Upper

152 100

115 59.9 29.1 87.3

150 157.0 0.0 338.2



#76

1,2,3-Trichloropropane

Concen: 68.496 ug/l

RT: 12.614 min Scan# 1818

Delta R.T. -0.153 min

Lab File: VD073932.D

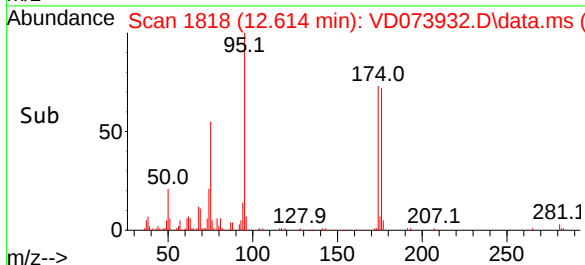
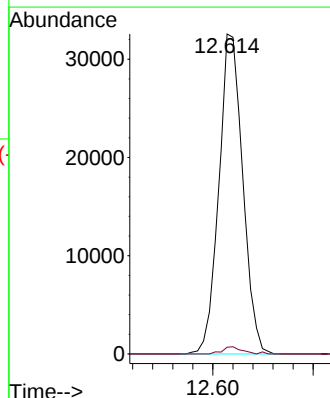
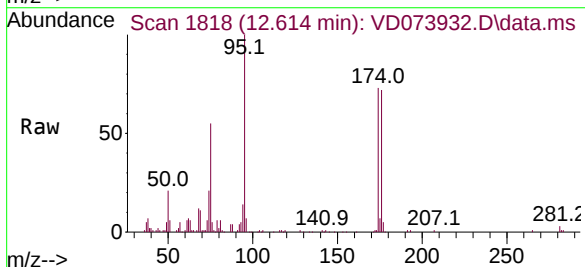
Acq: 02 Aug 2022 17:58

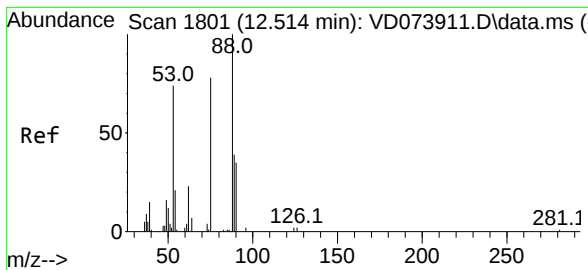
Tgt Ion: 75 Resp: 53764

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 145.795 ug/l
 RT: 12.614 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD073932.D
 Acq: 02 Aug 2022 17:58

Instrument :
 MSVOA_D
 ClientSampleId :
 TP2-0729RE

Tgt Ion: 75 Resp: 53764
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.6 107.4#
 89 0.0 39.8 59.6#

